

# GIS REGISTRY INFORMATION

<b>SITE NAME:</b>	Grafton Citgo		
<b>BRRTS #:</b>	03-46-005232		
<b>COMMERCE #</b> (if appropriate):	53024-2443-06		
<b>CLOSURE DATE:</b>	August 21, 2003		
<b>STREET ADDRESS:</b>	1706 Wisconsin Ave.		
<b>CITY:</b>	Grafton		
<b>SOURCE PROPERTY GPS COORDINATES</b> (meters in WTM91 projection):		X = 685734	Y = 317405
<b>CONTAMINATED MEDIA:</b>		Groundwater	<input type="checkbox"/> Soil <input checked="" type="checkbox"/> Both
<b>OFF-SOURCE GW CONTAMINATION &gt;ES:</b>		Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> X
<ul style="list-style-type: none"> <li>• IF YES, STREET ADDRESS:</li> </ul>			
<ul style="list-style-type: none"> <li>• GPS COORDINATES (meters in WTM91 projection):</li> </ul>		X =	Y =
<b>OFF-SOURCE SOIL CONTAMINATION &gt;Generic or Site-Specific RCL (SSRCL):</b>		Yes	No <input checked="" type="checkbox"/> X
<ul style="list-style-type: none"> <li>• IF YES, STREET ADDRESS 1:</li> </ul>			
<ul style="list-style-type: none"> <li>• GPS COORDINATES (meters in WTM91 projection):</li> </ul>		X =	Y =
<b>CONTAMINATION IN RIGHT OF WAY:</b>		Yes	No <input checked="" type="checkbox"/> X
<b>DOCUMENTS NEEDED</b>			
Closure Letter, and any conditional closure letter issued <input checked="" type="checkbox"/>			
Copy of most recent deed, including legal description, for all affected properties <input checked="" type="checkbox"/>			
Certified survey map or relevant portion of the recorded plat map ( <i>if referenced in the legal description</i> ) for all affected properties <input checked="" type="checkbox"/>			
County Parcel ID number, <i>if used for county</i> , for all affected properties <input checked="" type="checkbox"/>			
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site. <input checked="" type="checkbox"/>			
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs. <input checked="" type="checkbox"/>			
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching) <input checked="" type="checkbox"/>			
Tables of Latest Soil Analytical Results (no shading or cross-hatching) <input checked="" type="checkbox"/>			
Isoconcentration map(s), <i>if required for site investigation (SI)</i> (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map. <input checked="" type="checkbox"/>			
GW: Table of water level elevations, with sampling dates, and free product noted if present <input checked="" type="checkbox"/>			
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees) <input checked="" type="checkbox"/>			
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour <input checked="" type="checkbox"/>			
Geologic cross-sections, <i>if required for SI</i> . (8.5x14' if paper copy) <input checked="" type="checkbox"/>			
RP certified statement that legal descriptions are complete and accurate <input checked="" type="checkbox"/>			
Copies of off-source notification letters (if applicable) <input checked="" type="checkbox"/>			
Letter informing ROW owner of residual contamination ( <i>if applicable</i> )(public, highway or railroad ROW) <input checked="" type="checkbox"/>			
Copy of (soil or land use) deed restriction(s) or deed notice <i>if any required as a condition of closure</i> <input checked="" type="checkbox"/>			



ENVIRONMENTAL & REGULATORY SERVICES DIVISION  
BUREAU OF PECFA  
101 West Pleasant Street, Suite 100A  
Milwaukee, Wisconsin 53212-3963  
TDD #: (608) 264-8777  
Fax #: (414) 220-5374  
<http://www.commerce.state.wi.us>  
<http://www.wisconsin.gov>  
Jim Doyle, Governor  
Cory L. Nettles, Secretary

August 21, 2003

Mr. Don Swade  
Hometown, Inc.  
1518 E. North Ave.  
Milwaukee, WI 53202-1095

RE: **Final Closure**

**Commerce # 53024-2443-06** WDNR BRRTS # 03-46-005232  
Grafton Citgo, 1706 Wisconsin Ave., Grafton

Dear Mr. Swade:

The Wisconsin Department of Commerce (Commerce) has received all items required as conditions for closure of the site referenced above. This case is now listed as "closed" on the Commerce database and will be included on the Wisconsin Department of Natural Resources (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual soil and groundwater contamination. It is in your best interest to keep all documentation related to the environmental activities that were conducted.

If residual contamination is encountered in the future, it must be managed in accordance with all applicable regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required. If applicable, the PECFA claim for this site would also be reopened and you may apply for assistance to the extent of remaining eligibility.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 220-5403.

Sincerely,

A handwritten signature in black ink that reads "Lee R. Delcore".

Lee R. Delcore  
Hydrogeologist  
Site Review Section

cc: Sigma Environmental Services, Inc.  
Case File

July 25, 2003

Project Reference #3141

Lee R. Delcore  
Wisconsin Department of Commerce  
101 West Pleasant Street, Suite 100A  
Milwaukee, Wisconsin 53212-3963

RECEIVED

JUL 27 2003  
PECFA SITE REVIEW  
MILWAUKEE OFFICE

RE: **GIS Registry Information Packet**  
**Hometown Grafton Citgo**  
1706 Wisconsin Avenue, Grafton, WI  
COMMERCE # 53024-2443-06  
FID # 246065490, BRRTS # 03-46-005232

Mr. Delcore:

In accordance with Wisconsin Administrative Code, Chapter NR 726.05 (2)(b)3.b., Sigma Environmental Services, Inc. (Sigma), on behalf of Hometown, Inc. is submitting the information necessary to list the subject property on the Geographic Information Systems Registry of Closed Remediation Sites (GIS Registry) for soil and groundwater. The required GIS information is detailed below:

1. ***One-time fee of \$250.00 for groundwater, and/or \$200.00 for soil, for each case closed, for maintenance of the registry.***

The required GIS registry fees were sent to Ms. Victoria Stovall of the Wisconsin Department of Natural Resources (WDNR). Copies of the checks for two hundred and fifty dollars and two hundred dollars are included as Attachment A.

2. ***A copy of the most recent deed for all affected properties with exceedances of NR 140 Enforcement Standard (ES) and NR 720 Residual Contaminant Levels (RCLs).***

A copy of the most recent deed for 1706 Wisconsin Avenue, Grafton, Wisconsin is included as Attachment B.

3. ***A copy of the certified survey map or the relevant section of the recorded plat map for properties where the legal description in the most recent deed refers.***

The survey map for 1706 Wisconsin Avenue is included as Attachment C.

4. ***Parcel identification number for each property.***

The parcel identification number (PIN) for 1706 Wisconsin Avenue, Grafton, WI is 10-050-03-04-003 and is listed on the survey map provided in Attachment B.



**5. *Geographic position data collected in the Wisconsin Transverse Mercator '91 (WTM) coordinate system.***

The WTM geographic position data was determined from the WDNR GIS site. Specifically, the WTM coordinates for the property located at 1706 Wisconsin Avenue, Grafton, WI, are 685734, 317405. The map is provided as Attachment D.

**6. *A location map that outlines all properties within the contaminated site boundaries on a U.S.G.S topographic map or plat map in sufficient detail to permit the easy location of all parcels.***

A site location map is included as Attachment E.

**7. *A map of all contaminated properties within site boundaries, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells, and potable wells.***

A site layout map is included as Attachment F.

**8. *A table of the most recent analytical results, with sample collection dates: from all monitoring wells, and any potable wells for which samples have been collected for groundwater, and/or showing results for all contaminants found in pre-remedial sampling and in the most recent soil sampling event, for soils.***

Groundwater analytical results from all monitoring wells, including collection dates, are presented in Attachment G. Soil analytical results are also included in Attachment G.

**9. *An isoconcentration map, if required as part of the site investigation (SI), of the contaminated properties within the site boundaries. If an isoconcentration map was not required as part of the SI, substitute a map showing the horizontal extent of contamination, based on the most recent data.***

A groundwater quality map depicting the horizontal extent of groundwater impacts > NR 140 ESs is presented as Attachment H.

**10. *A table of the previous 4 water level elevation measurements from all monitoring wells, at a minimum, with the date measurements were made, is to be included. In addition, a groundwater flow direction map, representative of groundwater movement at the site.***

Groundwater elevation measurements, including the dates on which the measurements were made, are presented in Attachment I. In addition, a groundwater contour map is included in Attachment I.

- 11. For sites closing with residual soil contamination, include a map showing the location of all soil samples and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds generic or site specific residual contaminant levels.**

A soil quality map including soil sample locations and a contour depicting the horizontal extent of soil impacts > NR720 RCLs is included as Attachment J.

- 12. A geologic cross section, if required as part of the SI, showing vertical extent and location of residual soil contamination exceeding generic or site specific RCLs and residual groundwater contamination, source extent and location; water table and piezometric elevations, and the location and elevation of geologic units, bedrock, and confining units, if any.**

Two geologic cross sections are included as Attachment K.

- 13. A statement signed by the responsible party, which states that he or she believes that the legal descriptions attached to the statement are complete and accurate.**

The signed statement is included as Attachment B.

- 14. A copy of the letters sent by the RP to all owners of properties with groundwater exceeding ESs.**

Impacts were not identified offsite. Consequently, no letters were sent to the adjacent property owners.

- 15. A copy of all written notifications provided (to City/village/municipality/state agency or others responsible for maintenance) of a public street or highway or railroad right-of-way, within or partially within the boundaries of the contaminated site, for contamination exceeding groundwater ESs and/or soil exceeding generic or site specific RCLs.**

Notification to the City of Grafton was not necessary due to the fact that contamination only exists on-site.

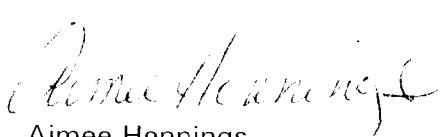
Wisconsin Department of Commerce  
July 25, 2003

Page 4

Based on the GIS information provided, Sigma requests that the Hometown, Inc., property be listed on the soil and groundwater GIS Registries. Please contact our office at (414) 768-7144 with any questions or comments.

Respectfully Submitted,

SIGMA ENVIRONMENTAL SERVICES, INC.



Aimee Hennings  
Staff Geologist



Dale C. Armbruster, P.G.  
Senior Project Hydrogeologist

cc: Donald Swade – Hometown, Inc.

This Indenture, Made this 15<sup>th</sup> day of June August, A. D., 1961, between Brinco Limited and Orne Construction Co., corporations duly organized and existing under and by virtue of the laws of the State of Wisconsin,

Wisconsin Ice & Coal Co., parties of the first part, and a Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Milwaukee Wisconsin, party of the second part.

Witnesseth, That the said parties of the first part, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration

to them in hand paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, have given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents do give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said party of the second part, its successors and assigns forever, the following described real estate, situated in the County of Ozaukee and State of Wisconsin, to-wit:

**That part of Lot 4, Block 3, Assessor's Plat of the Village of Grafton, in the South West 1/4 of Section 24, Township 10 North, Range 21 East, in the Village of Grafton, Ozaukee County, Wisconsin, bounded and described as follows:**

Commencing at the southeast corner of said 1/4 section: thence West along the south line of said 1/4 Section 892.00 feet to its intersection with the centerline of State Trunk Highway "57"; thence N.  $23^{\circ} 35'$  E. along the centerline of said highway 1060.27 feet to an angle point in the centerline of said highway; thence N.  $30^{\circ} 29' 30''$  E. along the centerline of said highway 26.04 feet to the point of beginning of the land to be described; thence continuing N.  $30^{\circ} 29' 30''$  E. along the centerline of said highway 110.58 feet to its intersection with the westerly extention of the south line of Maple Street; thence N.  $89^{\circ} 44' 15''$  E. along the south line of Maple Street and its westerly extention 159.96 feet to a point in the westerly line of the Chicago, Milwaukee, St. Paul and Pacific Railroad Co. right of way; thence S.  $9^{\circ} 20' 30''$  <sup>West</sup> along the westerly line of said right of way 143.44 feet to a point; thence N.  $76^{\circ} 43' W.$  on a line 198.09 feet to the point of beginning, containing 0.50 acres of land, more or less.

Reserving the westerly 33.00 feet for road purposes,  
Reserving reasonable access across that part of the said premises between Wisconsin Avenue and the set back line hereinafter described to and from the lands to the north and south of the described premises for the licensees of the grantors, or their successors, Reserving any and all interest in Maple Street, if it be vacated or if it be determined not to have been dedicated, and subject to the Condition that no building be located so close to Wisconsin Avenue as to be, in whole or in part, beyond a line which is 108.35' distant, along the southerly boundary of these premises from the common boundary with the railroad and 101.31' distant, along the northerly boundary from said common border with the railroad.

Granting the easement hereinafter described:

The premises conveyed hereby are designated as "B" in a certain plat drawing, designated No. 61-197A, prepared by Badger Surveying Company, Inc., dated May 1, 1961 and attached as an exhibit to a Certain Declaration and Restriction dated June, 1961 and recorded in the Office of Register of Deeds of Ozaukee County as Document No. 186315 in Volume 19 of Miscellaneous at Page 571. The patrons of any business situated on the premises conveyed hereby shall have an easement for access, in common with the patrons of other businesses operating on the entire premises described in said drawing, over the areas designated on such drawing as Parcel C-1, Parcel D-1, and that part of Parcel C located between Wisconsin Avenue and the set back line described on said Plat drawing No. 61-197A, to the parking areas on Parcel D and shall have the right, in common with such other patrons, to the use of such parking areas for parking.

Together with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said party ies of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

To have and to hold the said premises as above described with the hereditaments and appurtenances, unto the said party of the second part, and to its successors and assigns FOREVER.

And the said Brinco Limited and Orne Construction Co., for themselves, their successors and assigns.

~~XXXXXXXXXXXXXXXXXXXXXX~~ do covenant, grant, bargain and agree to and with the said party of the second part, its successors and assigns, that at the time of the sealing and delivery of these presents they are well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever except easements and restrictions of record, if any.

and that the above bargained premises in the quiet and peaceful possession of the said party of the second part, its successors and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, THEY will forever WARRANT AND DEFEND.

In Witness Whereof, the said parties of the first part have ~~XXXXXXXXXXXXXX~~ caused these presents to be signed by their respective Presidents and countersigned by their respective Secretaries at ~~XXXXXXXXXXXXXX~~, Milwaukee, Wisconsin this 15 day of ~~JUNE~~, 1961

August,

Brinco Limited

(SEAL)

John F. Bruecker  
President

(SEAL)

Irene A. Bruecker  
Secretary

(SEAL)

Orne Construction Co.

(SEAL)

Elmer K. Orne  
President

(SEAL)

Deanie Hoffmann  
Secretary

(SEAL)

SIGNED AND SEALED IN PRESENCE OF

Carol A. Dorsey

Carol A. Dorsey

Tom S Hayes

Tom E. Hayes

STATE OF WISCONSIN,

County of Milwaukee

} ss.

Personally came before me, this

15<sup>th</sup>

day of

Aug ust

A. D., 1961

the above named John F. Bruecker and Irene A. Bruecker and Elmer K. Orne, Deanie Hoffmann, the President and Secretary respectively of Brinco Limited and Orne Construction Co.

to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

Received for Record this..... day of

A. D., 19..... at..... o'clock..... M.

(SEAL)

Register of Deeds

Tom S Hayes  
TOM E. HAYES

Notary Public, Milwaukee, County, Wis.

Deputy Register of Deeds

Deanie Hoffmann

My commission expires....., A. D., 19.....

This instrument was drafted by: Tom E. Hayes

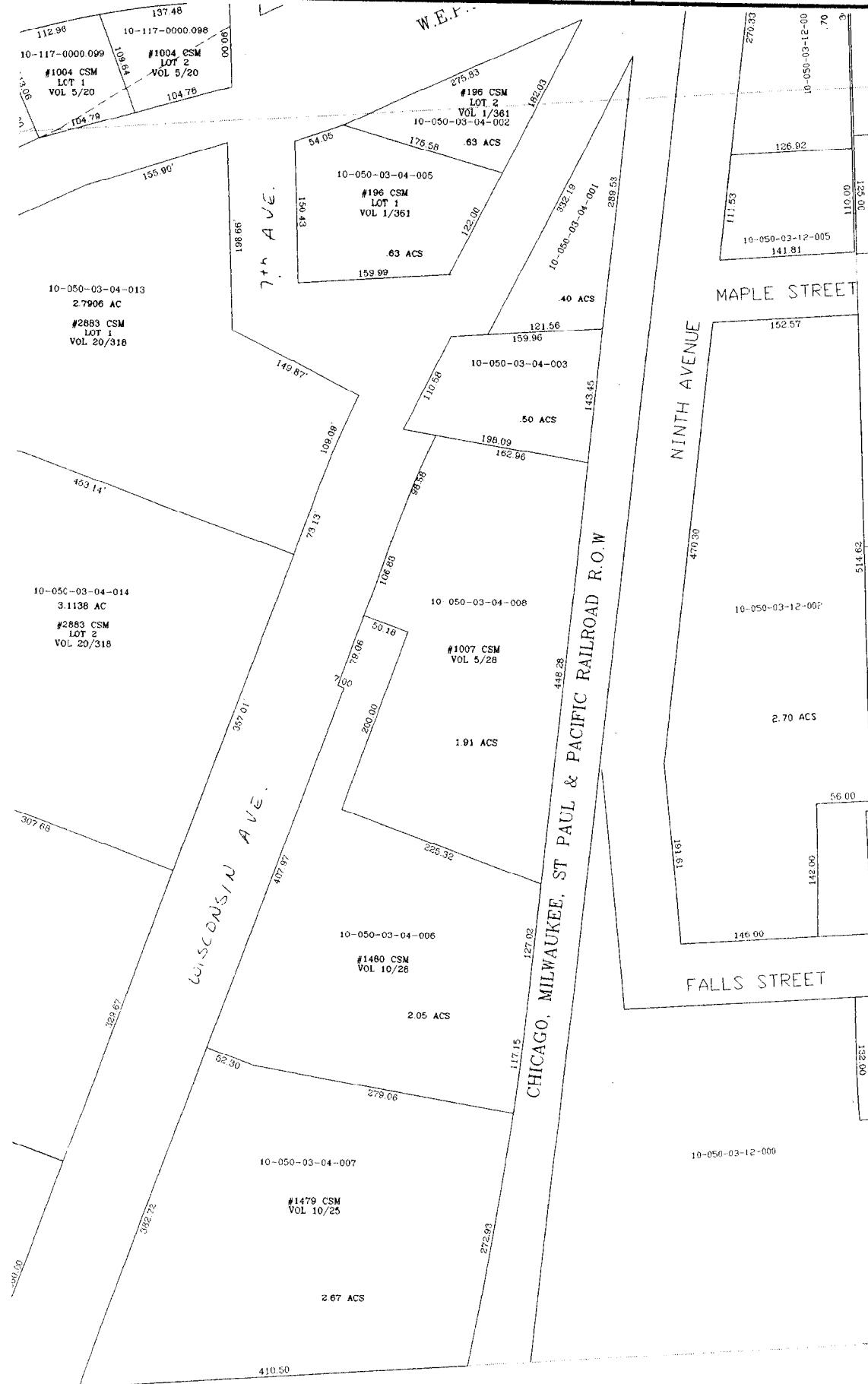
ate Geometry

**R 21**  
(C) COPYRIGHT**Scale  
1" = 100'****LEGEND**

Informational Notes or Notations ..... See NE 1/4 Ne 1/4 for Detail  
 Certified Survey Information ..... CSM #2313  
 Parcel (Tax) Identification (ID) Number ..... 04-027-02-003-00  
 Parcel Area in Acres (43,560 sq ft) ..... 2.013 AC

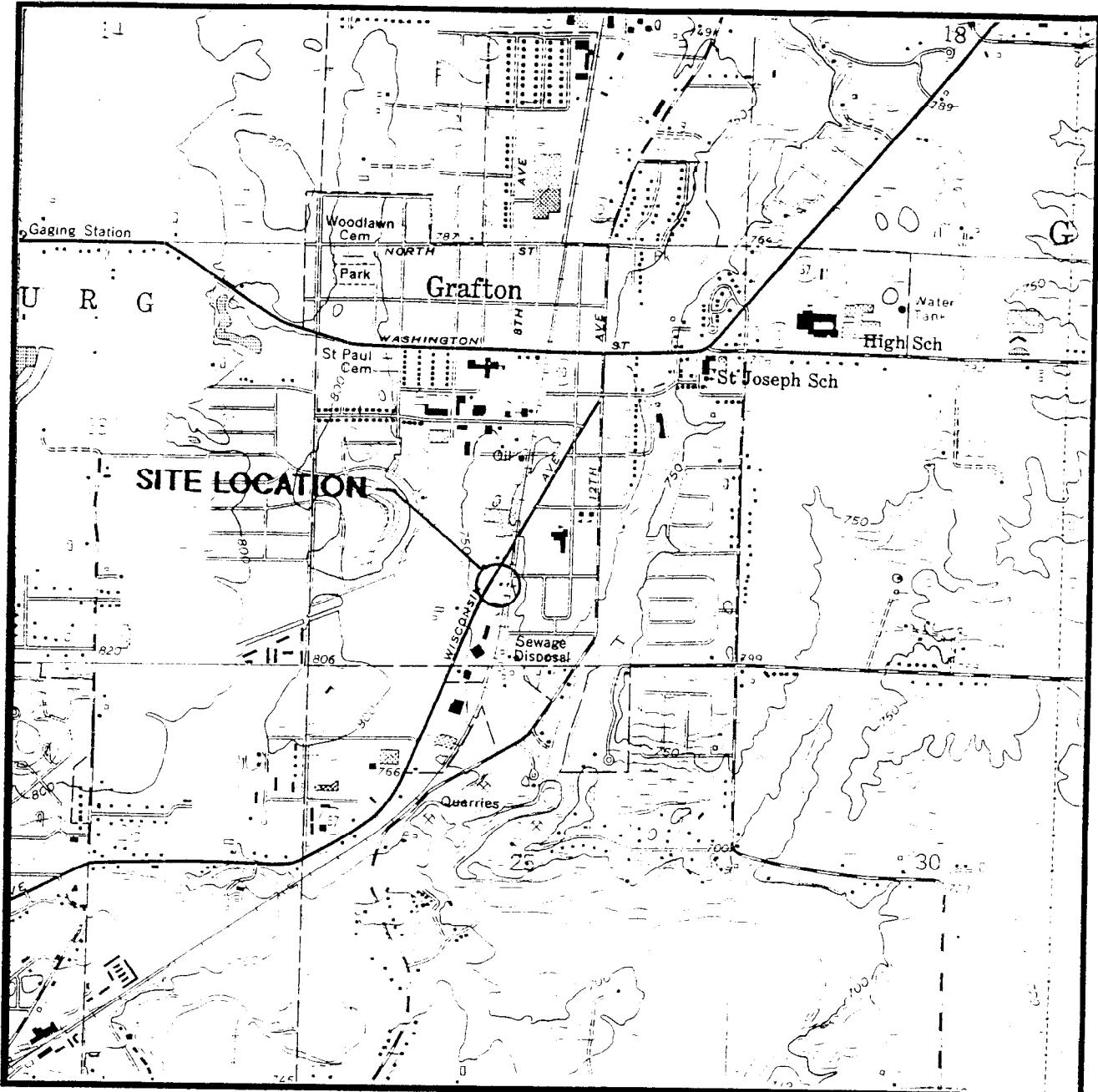
Lot Distances ..... 201 34  
 Property Lines .....  
 Platted Lines .....  
 Quarter/Quarter Lines .....  
 W.E.F.

NESE	NWSE	WSE
24	24	24
SSEN	SESN	SWSE
24	24	24
NWNE	NWSE	WSE
25	25	25



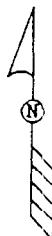
DISCREPANCIES ARE FOUND. PLEASE CONTACT THE OFFICE OF REGISTER OF DEEDS OR LAND INFORMATION.

AND IS TO BE USED FOR REFERENCE PURPOSES ONLY.  
DAUKEE COUNTY IS NOT RESPONSIBLE FOR ANY INACCURACIES HEREIN CONTAINED.



SE  $\frac{1}{4}$  of the SW  $\frac{1}{4}$  Sec. 24 T. 10N R. 21E

1             $\frac{1}{2}$             0            1 MILE



ADAPTED FROM U.S.G.S. 7.5 MINUTE SERIES, CEDARBURG,  
WISCONSIN QUADRANGLE DATED 1959 PHOTOREVISED 1976

WISCONSIN

GRAFTON CITGO STATION 1706 W. WISCONSIN AVE., GRAFTON, WI			<b>SIGMA</b> ENVIRONMENTAL SERVICES INC.
DATE: 3-17-97	DR. BY: BEB	DR. # 3141-001	SCALE: SEE ABOVE
SITE LOCATION MAP			FIGURE 1

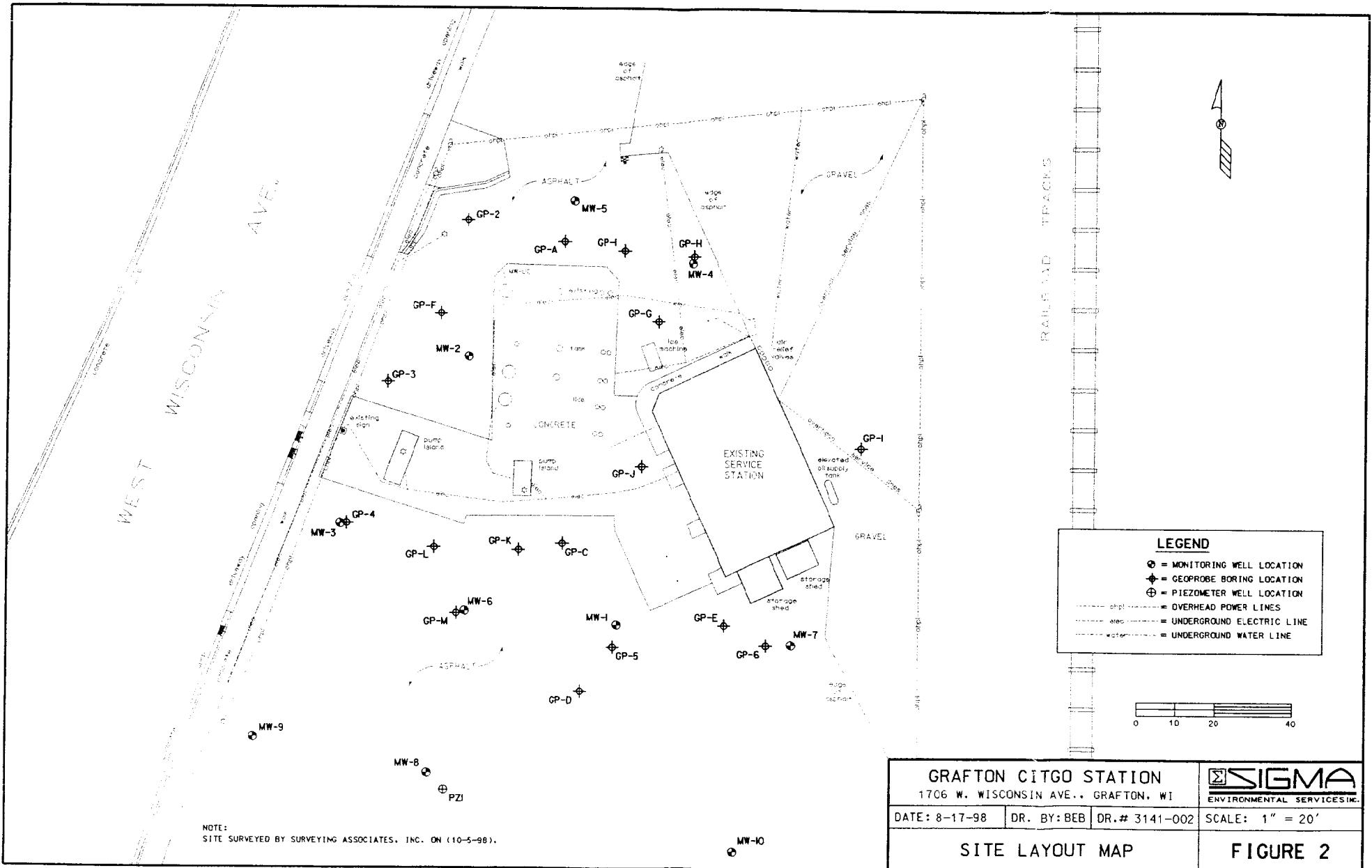


Table 2  
**SOIL QUALITY RESULTS**  
Hometown - Grafton  
Sigma Project No. 3141

Analyte	Units	GP-A		GP-B		GP-C		GP-D		GP-E		GP-F		GP-G		NR 720 RCL	COMM 46 Table 1	COMM 46 Table 2
		3-5	7-9	5-7	7-9	5-7	7-9	7-9	5-7	7-9	2-4	4-6	4-6	4-6				
PID	iui	71.3	0	1155	153	1283	1318	0	NA	0	84.2	68.1	146	NS	NS	NS		
Total Lead	mg/kg	8.7	<4.6	9.3	5.3	36	6	<4.3	NA	5.7	NA	NA	NA	50	NS	NS		
DRO	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	<6.0	30	<b>294</b>	100	NS	NS	NS		
GRO	mg/kg	11	<5.8	<b>100</b>	9.3	<b>520</b>	29	<5.4	NA	<5.4	<6.0	34	<b>490</b>	100	NS	NS		
Benzene	µg/kg	<30	<29	<b>381</b>	<29	<b>531</b>	<b>259</b>	<27	NA	<27	<30	<33	<131	5.5	8,500	1,100		
Ethylbenzene	µg/kg	<30	<29	69	<29	<b>5880</b>	473	<27	NA	<27	<30	<33	2,720	2900	4,600	NS		
Toluene	µg/kg	<30	<29	44	<29	<280	<28	29	NA	<27	<30	<33	<131	1500	38,000	NS		
Total Xylenes	µg/kg	144	<41	1090	<41	<b>15800</b>	1070	49	NA	46	<42	172	<b>174,000</b>	4100	42,000	NS		
1,2-Dichloroethane	µg/kg	<30	<29	<34	<29	<280	<28	<27	NA	<27	<30	<33	<131	4.9	600	540		
Methyl-Tert-Butyl-Ether	µg/kg	<30	<29	<34	<29	<280	<28	<27	NA	<27	<30	<33	<131	NS	NS	NS		
1,2,4-Trimethylbenzene	µg/kg	110	<29	559	31	32800	1240	47	NA	<27	<30	84	35,900	NS	83,000	NS		
1,3,5-Trimethylbenzene	µg/kg	<30	<29	354	<29	7340	349	<27	NA	<27	<30	<33	8,380	NS	11,000	NS		
<b>Biological Parameters</b>																		
Percent Moisture	%	NA	NA	NA	23	NA	15	NA	12	NA	NA	NA	NA	NS	NS	NS	NS	
pH	S.U.	NA	NA	NA	7.48	NA	7.78	NA	8.45	NA	NA	NA	NA	NS	NS	NS	NS	
Heterotrophic Plate Count	CFU/g	NA	NA	NA	570,000	NA	160,000	NA	18,000	NA	NA	NA	NA	NS	NS	NS	NS	
Hydrocarbon Degrading-14	CFU/g	NA	NA	NA	4,800	NA	470	NA	790	NA	NA	NA	NA	NS	NS	NS	NS	
Total Organic Carbon	mg/kg	NA	NA	NA	110,000	NA	92,000	NA	50,000	NA	NA	NA	NA	NS	NS	NS	NS	
Nitrate Nitrogen	mg/kg N	NA	NA	NA	<0.54	NA	<0.48	NA	<0.46	NA	NA	NA	NA	NS	NS	NS	NS	
Ammonia Nitrogen	mg/kg N	NA	NA	NA	130	NA	70	NA	<0.068	NA	NA	NA	NA	NS	NS	NS	NS	
Total Kjeldahl Nitrogen	mg/kg	NA	NA	NA	1,700	NA	450	NA	96	NA	NA	NA	NA	NS	NS	NS	NS	
Sol. Orthophosphate	mg/kg	NA	NA	NA	9.2	NA	5.1	NA	4.1	NA	NA	NA	NA	NS	NS	NS	NS	

KEY:

- GRO = Gasoline Range Organics
- mg/kg = milligrams per kilogram
- µg/kg = micrograms per kilogram
- S.U. = scientific units
- CFU/g = colony forming units per gram of soil
- NA = not analyzed
- NS = no standard
- RCL = Chapter NR 720 Residual Contaminant Level
- COMM 46 Table 1 = COMM 46 Soil Screening Levels from Table 1, "Indicators of Residual Petroleum Product in Soil Pores"
- COMM 46 Table 2 = COMM 46 Soil Contaminant Concentrations from Table 2, "Protection of Human Health from Direct Contact with Contaminated Soil"
- Bold** = Soil concentration exceeds NR 720 RCL

Table 2  
**SOIL QUALITY RESULTS**  
Hometown - Grafton  
Sigma Project No. 3141

Analyte	Units	GP-H	GP-I	GP-J	GP-K	GP-L	GP-M		MW-5	MW-7	MW-8	MW-9	PZ-1	NR 720	COMM 46	COMM 46
		4-6	6-8	5-7	6-8	6-8	4-7	7-10	4-6	8-10	6-8	8-10	8-10	RCL	Table 1	Table 2
PID	iui	21.8	46.8	1053	91.6	180	492	691	18.8	3.9	10.3	7.6	19.2	NS	NS	NS
Total Lead	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	NS	NS
DRO	mg/kg	66	<5.7	<b>1,300</b>	8.2	59	43	<b>331</b>	11	<5.8	<b>364</b>	15	23	100	NS	NS
GRO	mg/kg	<5.3	<5.7	<b>661</b>	18	80	28	<b>641</b>	<6.1	<5.8	<5.7	<5.5	<6.1	100	NS	NS
Benzene	µg/kg	<27	<29	<540	<b>387</b>	<b>197</b>	<b>263</b>	<280	<31	<29	<28	<28	<30	5.5	8,500	1,100
Ethylbenzene	µg/kg	<27	<29	1,520	460	315	232	<b>7,290</b>	<31	<29	<28	<28	<30	2900	4,600	NS
Toluene	µg/kg	<27	<29	<540	<30	<33	71	<280	<31	<29	<28	<28	<30	1500	38,000	NS
Total Xylenes	µg/kg	<37	<40	<b>30,300</b>	557	499	789	<b>25,400</b>	<43	<41	<40	<39	<42	4100	42,000	NS
1,2-Dichloroethane	µg/kg	<27	<29	<540	<30	<33	<39	<280	<31	<29	<28	<28	<30	4.9	600	540
Methyl-Tert-Butyl-Ether	µg/kg	<27	<29	<540	<30	<33	<39	<280	<31	<29	<28	<28	<30	NS	NS	NS
1,2,4-Trimethylbenzene	µg/kg	<27	<29	44,400	133	892	743	36,500	<31	<29	<28	<28	<30	NS	83,000	NS
1,3,5-Trimethylbenzene	µg/kg	<27	<29	15,200	363	223	170	8,950	<31	<29	<28	<28	<30	NS	11,000	NS
<b>Biological Parameters</b>																
Percent Moisture	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
pH	S.U.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
Heterotrophic Plate Count	CFU/g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
Hydrocarbon Degrading-14	CFU/g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
Total Organic Carbon	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
Nitrate Nitrogen	mg/kg N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
Ammonia Nitrogen	mg/kg N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
Total Kjeldahl Nitrogen	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
Sol. Orthophosphate	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
KEY:	GRO = Gasoline Range Organics mg/kg = milligrams per kilogram µg/kg = micrograms per kilogram S.U. = scientific units CFU/g = colony forming units per gram of soil NA = not analyzed NS = no standard RCL = Chapter NR 720 Residual Contaminant Level COMM 46 Table 1 = COMM 46 Soil Screening Levels from Table 1, "Indicators of Residual Petroleum Product in Soil Pores" COMM 46 Table 2 = COMM 46 Soil Contaminant Concentrations from Table 2, "Protection of Human Health from Direct Contact with Contaminated Soil" <b>Bold</b> = Soil concentration exceeds NR 720 RCL															

**Table 3**  
**GROUNDWATER QUALITY RESULTS**  
 Hometown - Grafton  
 Project Reference #3141

**Table 3**  
**GROUNDWATER QUALITY RESULTS**  
 Hometown - Grafton  
 Section 1000ft. #111

MW-5					
DEPTH	10-99	1-00	6-00	9-00	
B	<0.10	0.12	<0.10	<0.10	
T	<0.10	0.10	<0.10	<0.10	
E	<0.25	0.25	<0.25	<0.25	
X	<0.25	0.25	<0.25	<0.25	
MTBE	<0.25	0.25	<0.25	<0.25	
1,2-DCA	<0.25	0.25	<0.25	<0.25	
TMB	<0.20	0.20	<0.20	<0.20	
D.O.	0.42	0.2	0.16	0.5	

MW-2					
DEPTH	10-99	1-00	6-00	9-00	
B	(33)	(4.8)	(61)	(24)	
T	2.1	0.26	<0.50	0.36	
E	8.1	0.65	7.2	4.3	
X	11	0.6	240	5.3	
MTBE	<0.25	<0.25	<0.50	<0.25	
1,2-DCA	<0.25	0.25	<0.50	<0.25	
TMB	6.1	0.56	80	1.42	
D.O.	0.33	0.19	0.06	0.16	

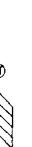
MW-6					
DEPTH	10-99	1-00	6-00	9-00	
B	<0.10	(3.2)	<0.10	<0.10	
T	<0.10	0.23	<0.10	<0.10	
E	0.52	1.5	<0.25	0.31	
X	0.68	1.2	<0.25	<0.25	
MTBE	(4)	<0.25	4.8	9.1	
1,2-DCA	<0.25	<0.25	<0.25	<0.25	
TMB	0.67	1.18	<0.20	0.19	
D.O.	0.37	0.26	0.13	0.64	

MW-3					
DEPTH	10-99	1-00	6-00	9-00	
B	(21)	(9.0)	(0.59)	0.10	
T	0.23	0.10	<0.10	<0.10	
E	0.76	0.25	<0.25	0.25	
X	2.5	0.25	<0.25	0.25	
MTBE	3.5	0.25	<0.25	0.25	
1,2-DCA	<0.25	<0.25	<0.25	<0.25	
TMB	0.56	0.20	<0.20	<0.20	
D.O.	0.38	0.22	0.11	0.38	

MW-8					
DEPTH	10-99	1-00	6-00	9-00	
B	<0.10	<0.10	<0.10	<0.10	
T	<0.10	0.12	<0.10	<0.10	
E	<0.25	0.25	<0.25	<0.25	
X	<0.25	0.25	<0.25	<0.25	
MTBE	<0.25	0.25	<0.25	<0.25	
1,2-DCA	<0.25	0.25	<0.25	<0.25	
TMB	<0.20	0.20	<0.20	<0.20	
D.O.	0.34	0.32	0.14	0.72	

MW-9					
DEPTH	10-99	1-00	6-00	9-00	
B	<0.10	<0.10	<0.10	<0.10	
T	<0.10	<0.10	<0.10	<0.10	
E	<0.25	0.25	<0.25	<0.25	
X	<0.25	0.25	<0.25	<0.25	
MTBE	<0.25	0.25	<0.25	<0.25	
1,2-DCA	<0.25	0.25	<0.25	<0.25	
TMB	<0.20	0.20	<0.20	<0.20	
D.O.	0.34	0.15	0.18	0.39	

ESTIMATED EXTENT OF  
GROUNDWATER IMPACTS  
> NR 140 ES



APPROXIMATE UST  
SYSTEM LOCATION

APPROXIMATE FUEL OIL  
UST LOCATION

APPROXIMATE WASTE OIL  
UST LOCATION

MW-5

MW-2

MW-6

MW-3

MW-8

MW-1

MW-7

MW-9

MW-10

PZ-1

#### LEGEND

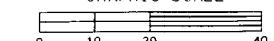
- = MONITORING WELL LOCATION
- ◆ = GEOFROBE BORING LOCATION
- ⊕ = PIEZOMETER WELL LOCATION
- = OVERHEAD POWER LINES
- - - = UNDERGROUND ELECTRIC LINE
- = UNDERGROUND WATER LINE

#### ANALYTICAL KEY

B	= BENZENE
T	= TOLUENE
E	= ETHYL BENZENE
X	= TOTAL XYLENES
MTBE	= METHYL-TERT-BUTYL ETHER
1,2-DCA	= 1,2 DICHLOROETHYLENE
TMB	= TRIMETHYLBENZENE
D.O.	= DISSOLVED OXYGEN
[ ]	= CONCENTRATION EXCEEDS NR140 ENFORCEMENT STANDARD
( )	= CONCENTRATION EXCEEDS NR140 PREVENTIVE ACTION LIMIT

ALL CONCENTRATIONS EXPRESSED  
IN MICROGRAMS PER LITER (ug/l), EXCEPT  
DISSOLVED OXYGEN WHICH IS EXPRESSED  
IN MILLIGRAMS PER KILOGRAM (mg/kg)

GRAPHIC SCALE



GRAFTON CITGO STATION

1706 W. WISCONSIN AVE., GRAFTON, WI

DATE: 10-30-00 DR. BY: TMM DR.# 3141-017

**SIGMA**  
ENVIRONMENTAL SERVICES INC.

FIGURE 8

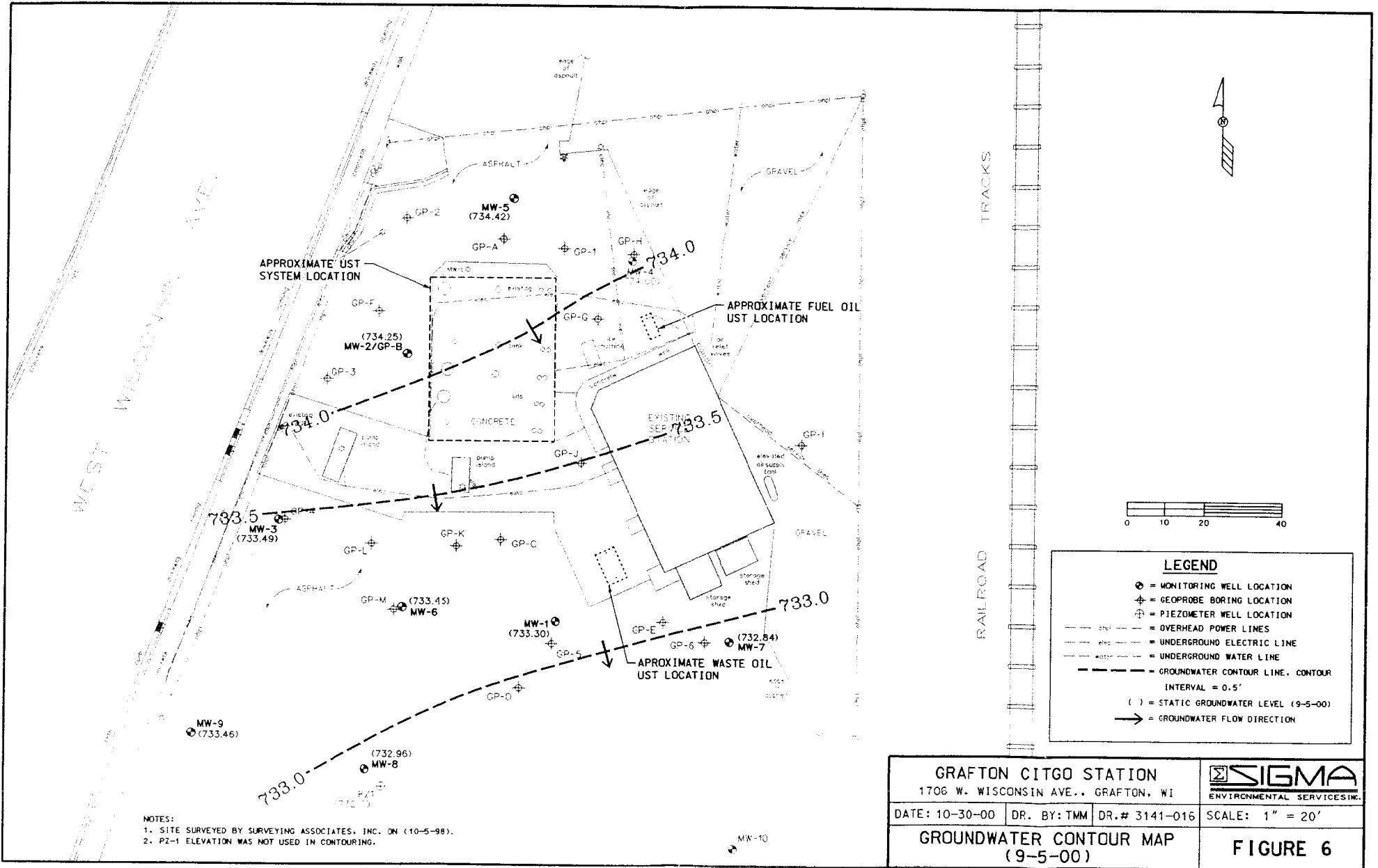
NOTES:  
1. SITE SURVEYED BY SURVEYING ASSOCIATES, INC. ON (10-5-98).  
2. MW-4 REMOVED IN APRIL 1999 DURING SOIL EXCAVATION ACTIVITIES.  
3. MW-10 WAS INSTALLED IN MAY 2000.

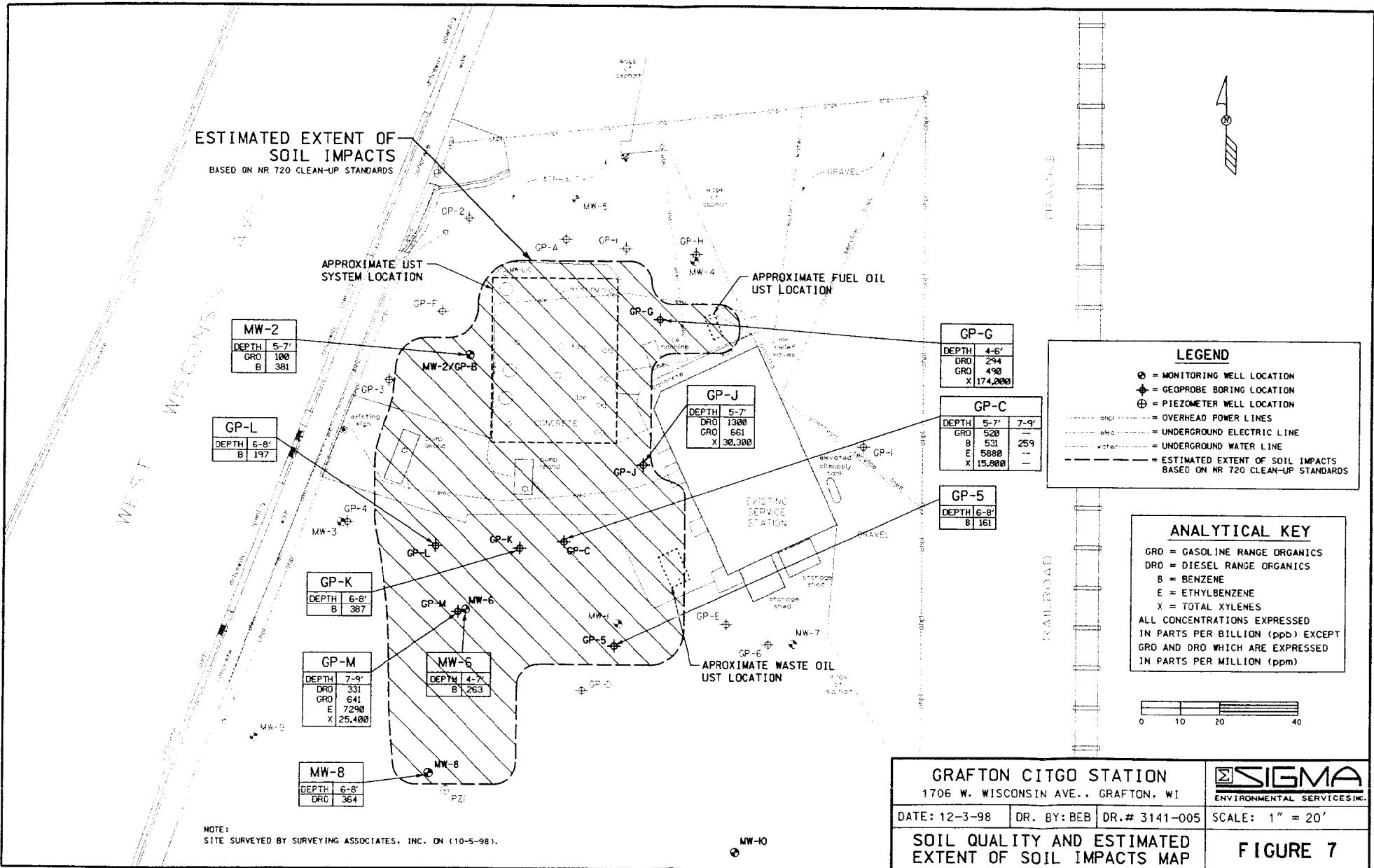
Table 1  
 STATIC GROUNDWATER ELEVATIONS  
 HOMETOWN-GRAFTON  
 Project Reference #3141

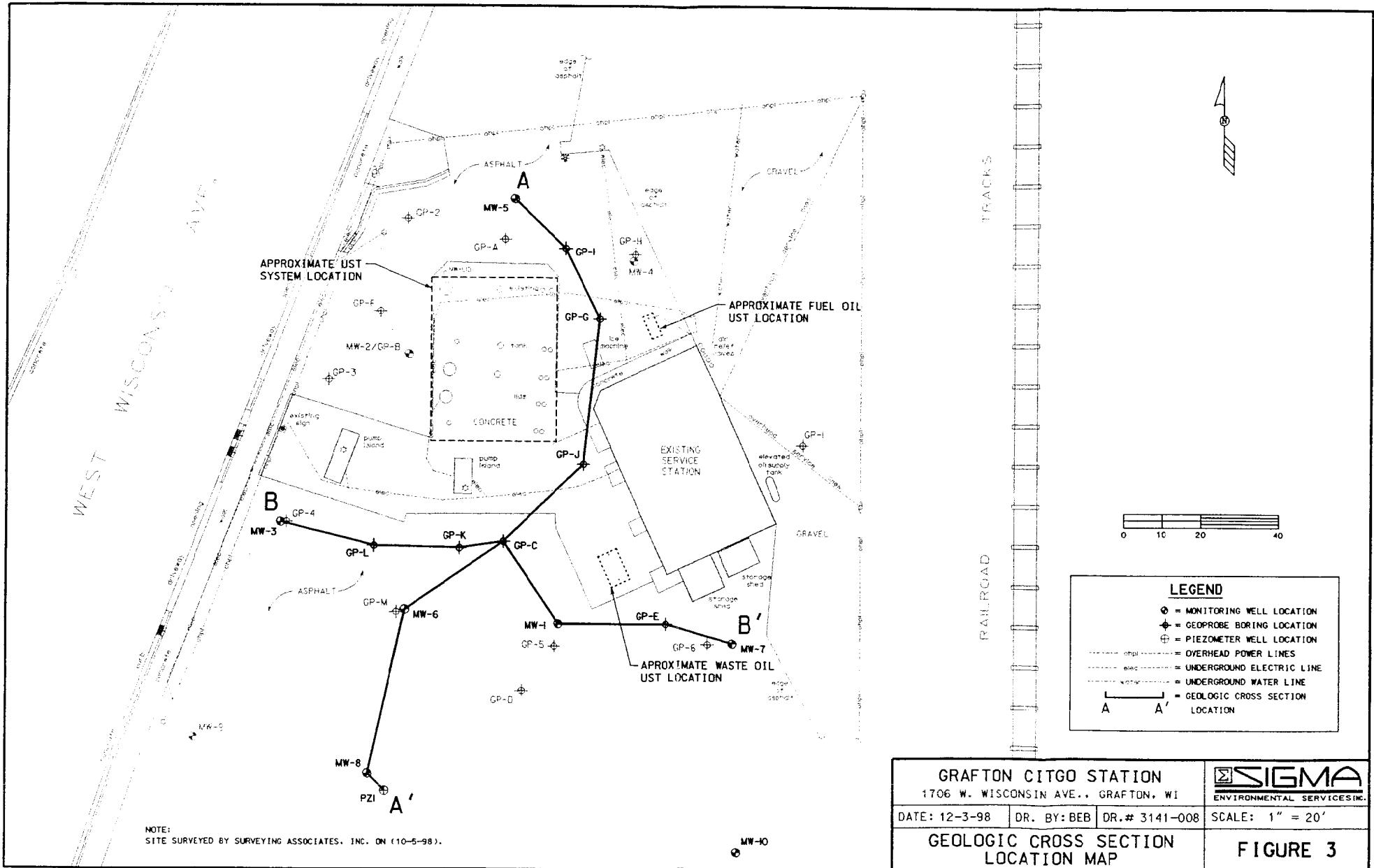
Date	Well ID	Ground Surface Elevation	Casing Elevation	Depth to Water	Groundwater Elevation
08/26/1998	MW-1	740.88	740.69	7.71	732.98
09/25/1998				7.75	732.94
10/22/1998				7.78	732.91
10/05/1999				7.38	733.31
01/06/2000				7.65	733.04
06/06/2000				7.13	733.56
09/05/2000				7.39	733.30
08/26/1998	MW-2	740.21	739.93	5.82	734.11
09/25/1998				5.95	733.98
10/22/1998				5.98	733.95
10/05/1999				5.65	734.28
01/06/2000				6.24	733.69
06/06/2000				4.99	734.94
09/05/2000				5.68	734.25
08/26/1998	MW-3	740.01	739.59	6.05	733.54
09/25/1998				6.13	733.46
10/22/1998				6.22	733.37
10/05/1999				6.04	733.55
01/06/2000				6.42	733.17
06/06/2000				5.74	733.85
09/05/2000				6.10	733.49
09/25/1998	MW-4	740.72	740.4	6.33	734.07
10/22/1998				6.34	734.06
09/25/1998	MW-5	740.47	740.14	6.04	734.10
10/22/1998				6.07	734.07
10/05/1999				5.75	734.39
01/06/2000				6.21	733.93
06/06/2000				4.93	735.21
09/05/2000				5.72	734.42
09/25/1998	MW-6	740.46	740.26	7.00	733.26
10/22/1998				7.03	733.23
10/05/1999				6.80	733.46
01/06/2000				7.11	733.15
06/06/2000				6.41	733.85
09/05/2000				6.81	733.45
09/25/1998	MW-7	740.87	740.49	7.64	732.85
10/22/1998				7.68	732.81
10/05/1999				7.57	732.92
01/06/2000				7.85	732.64
06/06/2000				7.25	733.24
09/05/2000				7.60	732.89
09/25/1998	MW-8	740.37	739.99	7.05	732.94
10/22/1998				7.09	732.90
10/05/1999				7.01	732.98
01/06/2000				7.30	732.69
06/06/2000				6.92	733.07
09/05/2000				7.03	732.96
09/25/1998	MW-9	740.01	739.63	6.35	733.28
10/22/1998				6.29	733.34
10/05/1999				6.11	733.52
01/06/2000				6.48	733.15
06/06/2000				5.76	733.87
09/05/2000				6.17	733.46
06/06/2000	MW-10	NS	NS	6.63	-6.63
09/05/2000				6.91	-6.91
09/25/1998	PZ-1	740.35	740.1	6.96	733.14
10/22/1998				7.01	733.09
10/05/1999				6.86	733.24
01/06/2000				7.10	733.00
06/06/2000				6.47	733.16
09/05/2000				6.84	732.79

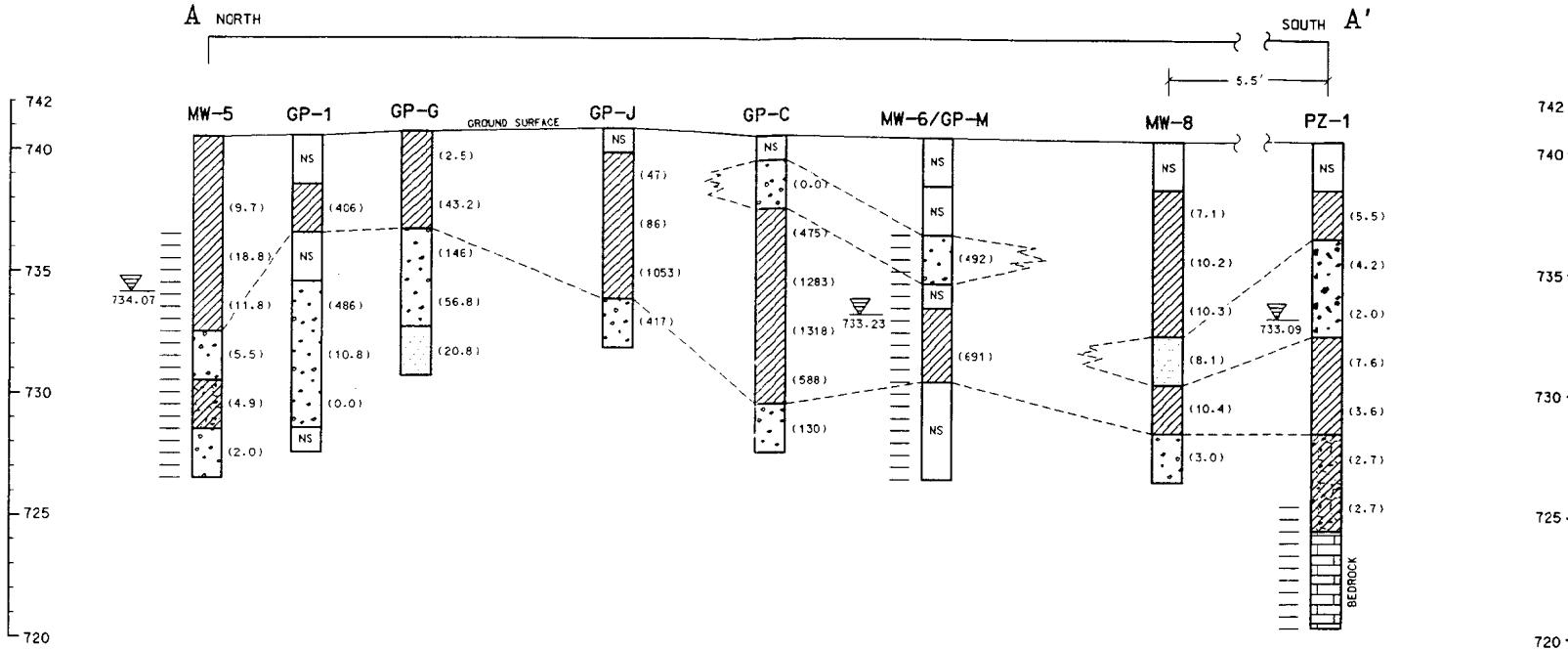
Notes:

1. Elevations based on professional survey completed by Surveying Associates on 10/5/98.
2. MW-4 removed in April 1999 during soil excavation activities at site.
3. MW-10 installed on May 8, 2000.
4. NS = Not surveyed



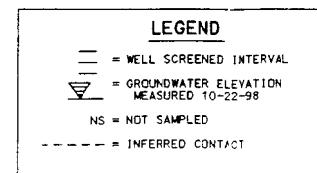
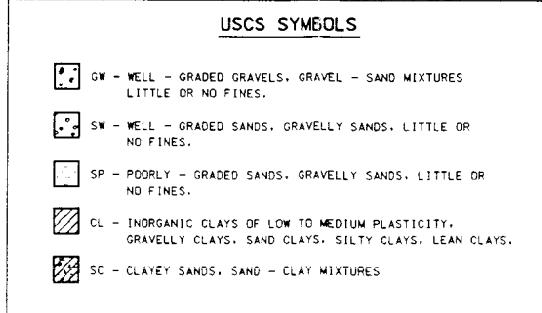






ELEVATION RELATIVE TO  
MEAN SEA LEVEL  
(IN FEET)

ELEVATION RELATIVE TO  
MEAN SEA LEVEL  
(IN FEET)



NOTES:  
HORIZONTAL SCALE 1" = 20'  
VERTICAL SCALE 1" = 5'

GRAFTON CITGO STATION  
1706 W. WISCONSIN AVE., GRAFTON, WI

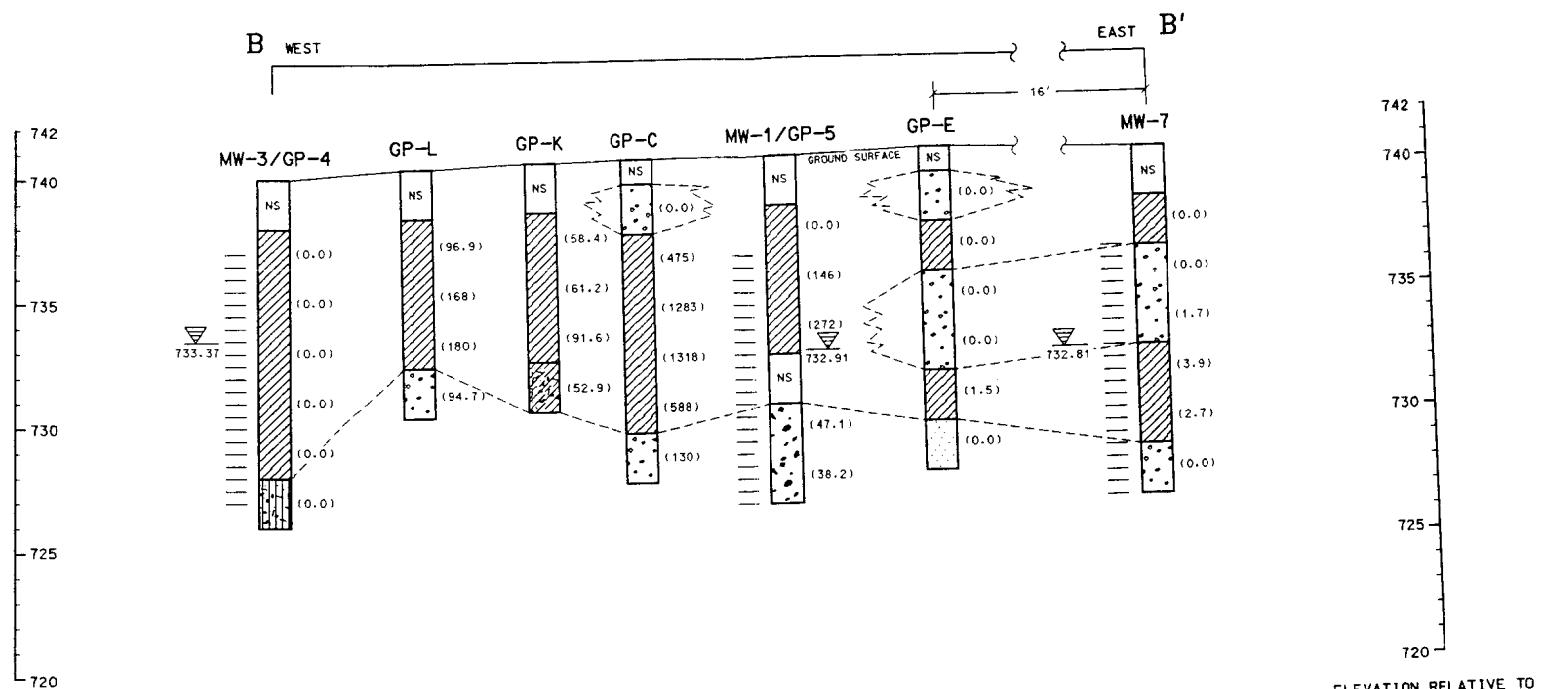
DATE: 12-4-98 DR. BY: BEB DR.# 3141-012

**SIGMA**  
ENVIRONMENTAL SERVICES INC.

SCALE: SEE NOTES

GEOLOGIC CROSS SECTION A - A'

**FIGURE 4**



**ELEVATION RELATIVE TO  
MEAN SEA LEVEL  
(IN FEET)**

## USCS SYMBOLS

-  GW - WELL - GRADED GRAVELS. GRAVEL - SAND MIXTURES  
LITTLE OR NO FINES.
  -  SW - WELL - GRADED SANDS. GRAVELLY SANDS. LITTLE OR  
NO FINES.
  -  SP - POORLY - GRADED SANDS. GRAVELLY SANDS. LITTLE OR  
NO FINES.
  -  CL - INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY.  
GRAVELLY CLAYS. SAND CLAYS. SILTY CLAYS. LEAN CLAYS.
  -  SC - CLAYEY SANDS. SAND - CLAY MIXTURES
  -  SM - SILTY - SANDS. SAND - SILT MIXTURES.

**LEGEND**

-  = WELL SCREENED INTERVAL  
 = GROUNDWATER ELEVATION  
 MEASURED 10-22-98  
 NS = NOT SAMPLED  
 = INFERRED CONTACT

GRAFTON CITGO STATION  
1706 W. WISCONSIN AVE., GRAFTON, WI

**SIGMA**  
ENVIRONMENTAL SERVICES INC.

1706 W. WISCONSIN AVE., GRAYTOWN, WI 53129  
SCALE: SEE NOTES

GEOLOGIC CROSS SECTION B - B'

FIGURE 5

NOTES:  
HORIZONTAL SCALE 1" = 20'  
VERTICAL SCALE 1" = 5'

*GIS Registry Packet*  
*Hometown, Inc.*

**STATEMENT BY RESPONSIBLE PARTY**

Hometown Inc., the responsible party for the property located at 1706 Wisconsin Avenue, Grafton, Wisconsin, states that the legal description provided to the Wisconsin Department of Commerce (and attached to this statement) for case file reference 53024-2443-06 is complete and accurate to the best of our knowledge.

Dale O. Hantula for Don Swade  
Signature of Representative for Responsible Party

7-23-03  
Date